

Title (en)
METHOD AND SYSTEM FOR EFFICIENT TRANSFER OF CRYPTOCURRENCY ASSOCIATED WITH A PAYROLL ON A BLOCKCHAIN THAT LEADS TO AN AUTOMATED PAYROLL METHOD AND SYSTEM BASED ON SMART CONTRACTS

Title (de)
VERFAHREN UND SYSTEM ZUR EFFIZIENTEN ÜBERTRAGUNG VON KRYPTOWÄHRUNG IM ZUSAMMENHANG MIT EINER PAYROLL AUF EINER BLOCKCHAIN

Title (fr)
PROCÉDÉ ET SYSTÈME DE TRANSFERT EFFICACE DE CRYPTOMONNAIE ASSOCIÉE À UN SALAIRES SUR UNE CHAÎNE DE BLOCS

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Application
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Abstract (en)
The invention relates to blockchain technologies such as the Bitcoin blockchain, and the tokenisation of assets or entities. It is particularly suited for implementing a payroll on a blockchain platform and comprises a method (100) and system (1) of transferring cryptocurrency from a first node (3) to a second node (7). Both nodes (3, 7) are associated with a payroll and have a respective asymmetric cryptography pair, each pair including a master private key and a master public key. Respective additional private and public keys may be determined based on the master private key, master public key and a generator value at each node. The additional private and public keys may form a hierarchical structure. A common secret may be determined at each of the nodes (3, 7) based on the additional private and public keys. The common secret may be used to securely transmit confidential information across a communications network (5).

IPC 8 full level
G06Q 20/38 (2012.01); **H04L 9/08** (2006.01); **H04L 9/30** (2006.01)

CPC (source: EP GB KR US)
G06Q 10/105 (2013.01 - GB); **G06Q 20/0658** (2013.01 - US); **G06Q 20/3829** (2013.01 - US); **G06Q 40/125** (2013.12 - GB); **H04L 9/0637** (2013.01 - US); **H04L 9/0643** (2013.01 - US); **H04L 9/08** (2013.01 - GB); **H04L 9/0841** (2013.01 - EP KR US); **H04L 9/14** (2013.01 - US); **H04L 9/3066** (2013.01 - EP KR US); **H04L 9/3073** (2013.01 - US); **G06Q 2220/00** (2013.01 - EP US); **H04L 9/50** (2022.05 - US); **H04L 2209/56** (2013.01 - EP KR US)

Citation (search report)

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